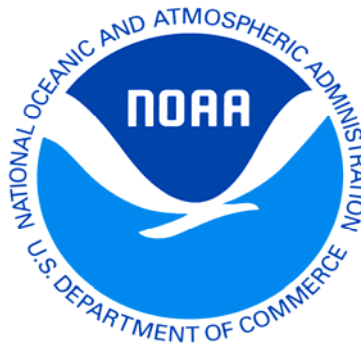


ATTACHMENT J-8

**NOAA SWATH
Coastal Mapping Vessel (CMV)
INITIAL OUTFITTING LIST**



July 15, 2003

**United States Department of Commerce
National Oceanic and Atmospheric Administration**

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
1		PLUGS, SOFTWOOD LUMBER		DECK	24	A.L. DON COMPANY/STEELSTRAN IND	ASSORTED SIZES 3/8" - 2"R	
2		FID, WOOD		DECK	4	A.L. DON COMPANY/STEELSTRAN IND	TRIPLE G SUPPLY 18" x 2"	
3		ROPE, MANILA		DECK	1	AMERICAN MANUFACTURING CO. INC,	ROPE MANILA 1-1/4" DIA x	
4	1UH7163	GLOVES - RUBBER		DECK	24	BOSS	STANDARD SUPPLY	
5	7206916	BLOCK & TACKLE SET		DECK	2	BREWER-TITCHENER TOOLS		
6	543-0735	SHACKLE, SCREW PIN		DECK	20	BREWER-TITCHENER TOOLS		
7	543-0835	SHACKLE, SCREW PIN		DECK	20	BREWER-TITCHENER TOOLS		
8	543-1235	SHACKLE, SCREW PIN		DECK	20	BREWER-TITCHENER TOOLS		
9	625-0305	TURNBUCKLES		DECK	12	BREWER-TITCHENER TOOLS		
10	276-12	MARLIN SPIKE		DECK	1	C.S. OSBORNE & COMPANY		
11	276-18	MARLIN SPIKE		DECK	1	C.S. OSBORNE & COMPANY		
12	276-8	MARLIN SPIKE		DECK	1	C.S. OSBORNE & COMPANY		
13	509 2-3/8"	SAIL MAKERS NEEDLES		DECK	2	C.S. OSBORNE & COMPANY		
14	265	SAIL MAKERS SEWING PALM		DECK	1	C.S. OSBORNE & COMPANY		
15	1V668	AIR HAMMER KIT		DECK	1	CHICAGO PNEUMATIC		
16	4Z779	AIR IMPACT WRENCH KIT		DECK	1	CHICAGO PNEUMATIC		
17	4Z780	AIR RATCHET WRENCH KIT		DECK	1	CHICAGO PNEUMATIC		
18	15GEL-180W	GRINDER, PNEUMATIC		DECK	1	CLECO TOOL/DRESSER INDUSTRIES		
19	B1-CNB-LT-RD-K	SCALER & CHIPPING HAMMER, PNEUM		DECK	1	CLECO TOOL/DRESSER INDUSTRIES		
20		SEA MARKERS, FLUORESCENT		DECK	6	COMMERCIAL	BAKER LYMAN CO. 12 PER BOX	
21		HOOK, GRAPNEL		DECK	3	COMMERCIAL	GATOR SUPPLY CO. 15" 12LB	
22		TWINE, COTTON 1/8" DIAMETER		DECK	1	COMMERCIAL		
23		WEDGE, SOFTWOOD LUMBER		DECK	48	COMMERCIAL		
24		STAPLE GUN KIT, CORDLESS		DECK	1	COMMERCIAL/ARRO	GRANGER SUPPLY COMPANY	
25	17-9001L	DRILL PRESS, 161/2", 12 SPEED, DELTA		DECK	1	DELTA	TOOL CRIB OF THE NORTH	
26	size 7	FLAG, CANADA, HALYARD RIGGED		DECK	2	DELTTTRA FLAG COMPANY, INC.	BAKER LYMAN CO.	
27	size 7	FLAG, UNITED STATES, HALYARD		DECK	2	DELTTTRA FLAG COMPANY, INC.	BAKER LYMAN CO.	
28	SIZE 7	SIGNAL & PENNANTS FLAG SET, HALYARD TYPE		DECK	1	DELTTTRA FLAG COMPANY, INC.		
29	RG100-2	RAT GUARDS, GALVANIZED		DECK	4	DOVER MARINE MANUFACTURING & SU		
30	4A291	PRY BAR, 24", GOOSENECK		DECK	4	GRAINGER	GRANGER SUPPLY COMPANY	
31	4A294	PRY BAR, PITCH POINT, 60"		DECK	2	GRAINGER	GRANGER SUPPLY COMPANY	

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
32	3ZG80	GROMMET KIT		DECK	1	GRAINGER SUPPLY COMPANY	GRAINGER SUPPLY COMPANY	
33	2A739	DRILL BIT SET, 1/16 TO 1/2 BY 64THS		DECK	2	GRANGER SUPPLY COMPANY	GRANGER SUPPLY COMPANY	
34	1A050	DRILL BIT SET, 9/16 TO 1" BY 16THS		DECK	1	GRANGER SUPPLY COMPANY	GRANGER SUPPLY COMPANY	
35	6R232	HAMMER, CLAW		DECK	2	GRANGER SUPPLY COMPANY	GRANGER SUPPLY COMPANY	
36	4A288	HAMMER, SLEDGE, 10LBS		DECK	2	GRANGER SUPPLY COMPANY	GRANGER SUPPLY COMPANY	
37	6D011	HAMMER, SLEDGE, 3LBS		DECK	2	GRANGER SUPPLY COMPANY	GRANGER SUPPLY COMPANY	
38	W1770TN	WIRE ROPE CUTTERS, HYDRAULIC O		DECK	1	H.K. PORTER TOOLS		
39		PAINT ROLLER CARTRIDGES		DECK	24	Home Depot - oil pants high quality	9"	
40		PAINT BRUSH		DECK	36	Home Depot - oil pants high quality	1"	
41		PAINT BRUSH		DECK	36	Home Depot - oil pants high quality	2"	
42		PAINT BRUSH		DECK	36	Home Depot - oil pants high quality	3"	
43		PAINTING KIT, ROLLERS W/PAN AND HANDLES		DECK	8	Home Depot - oil pants high quality		
44	BM-103U	BATTERY CHARGER, AC, TRANSCEIV		DECK	1	ICOM AMERICA, INC.		
45	IC-15	VHF MARINE TRANSCEIVER		DECK	4	ICOM AMERICA, INC.		
46	58549	MEASURING TAPE, STEEL		DECK	2	IRWIN MEASURING TOOL COMPANY		
47	58555	MEASURING TAPE, STEEL		DECK	2	IRWIN MEASURING TOOL COMPANY		
48	1H063	PRESSURE WASHER, ELECTRIC, PORTABLE		DECK	1	LANDA	GRANGER SUPPLY COMPANY	
49	46225A72	GRINDER ELECTRIC , 4 1/2, 120V		DECK	2	MAKITA	McMASTER-CARR SUPPLY COMPANY	
50	7897T25	TAPE, MASKING		DECK	6	McMASTER-CARR SUPPLY COMPANY		
51	2655T2	HAND TRUCK, 2 WHEELS		DECK	2	McMASTER-CARR SUPPLY COMPANY		
52	7453T17	HOSE ASSEMBLY, NON-METALLIC		DECK	4	McMASTER-CARR SUPPLY COMPANY		
53	3682A11	KNIFE UTILITY		DECK	4	McMASTER-CARR SUPPLY COMPANY		
54	8362A311	SOCKET SET 3/4 DRIVE, METRIC & STANDARD		DECK	1	McMASTER-CARR SUPPLY COMPANY		
55	7044T13	SPRAYER, PORTABLE INSET		DECK	2	McMASTER-CARR SUPPLY COMPANY		
56	8740A11	STONE, GRINDING HONING (GRINDING WHL, DR		DECK	2	McMASTER-CARR SUPPLY COMPANY		
57	7897T27	TAPE, MASKING FLAT		DECK	6	McMASTER-CARR SUPPLY COMPANY		
58	6392A11	TOOL BELT AND POUCH		DECK	2	McMASTER-CARR SUPPLY COMPANY		
59	MAGI-KLIP-	WINDOW SQUEEGEE		DECK	4	MORSE-STARRETT PRODUCTS COMPANY		
60	MV1254T1	WORK VEST, TYPE III		DECK	18	MUSTANG SURVIVAL	SIZES - 6 S/M, 8 L/XL, 3 XXL/XXXL	
61	B10-2013	WRECKING BAR, NON-SPARKING		DECK	2	NGK METALS CORPORATION	NON-SPARKING, 24"	
62	33600	ABRASIVE DISKS, 24 GRIT 5" DIAMETER		DECK	300	NORTON COMPANY		

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
63	33610	ABRASIVE DISKS, 24 GRIT 5" DIAMETER		DECK	300	NORTON COMPANY		
64	33615	ABRASIVE DISKS, 24 GRIT 5" DIAMETER		DECK	300	NORTON COMPANY		
65	QL500K	PORTABLE FLOODLIGHT, QUARTZ, PORTABLE		DECK	2	PAULUHN ELECTRICAL MANUFACTURIN		
66	11530	CHIPPING (SCALING) HAMMER		DECK	6	PLUMB	STANDARD SUPPLY	
67	6W284	SANDER, RANDOM ORBIT, PORTER CABLE		DECK	2	PORTER CABLE	GRANGER SUPPLY COMPANY	
68	6Z301	SANDER, BELT, PORTER CABLE		DECK	1	PORTER CABLE	GRANGER SUPPLY COMPANY	
69	4Z565	SANDER, HEAVY DUTY, PORTER CABLE		DECK	2	PORTER CABLE	GRANGER SUPPLY COMPANY	
70	4Z956	SANDER, PALM, PORTER CABLE		DECK	2	PORTER CABLE	GRANGER SUPPLY COMPANY	
71	6Z296	SAW RECIPOCATING, PORTER CABLE		DECK	1	PORTER CABLE	GRANGER SUPPLY COMPANY	
72	9887QP	CORDLESS TOOL KIT QUAD PACK		DECK	1	PORTER CABLE	TOOL CRIB OF THE NORTH	
73	6614	DRILL, 1/2 CHUCK, REVERSIBLE		DECK	1	PORTER CABLE	TOOL CRIB OF THE NORTH	
74	9872K	DRILL, CORDLESS, 3/8 CHUCK, 18VOLT		DECK	1	PORTER CABLE	TOOL CRIB OF THE NORTH	
75	843K	SAW FRAMERS, PORTER CABLR, BLADE ON LEFT		DECK	1	PORTER CABLE	TOOL CRIB OF THE NORTH	
76	9543	SAW JIG, KIT, QUICKCHANGE, PORTER CABLE		DECK	1	PORTER CABLE	TOOL CRIB OF THE NORTH	
77	3JF54	VACUUM CLEANERS WET/DRY, TOOL TRIGGERED		DECK	1	PORTER CABLE	GRANGER SUPPLY COMPANY	
78	693LRPK	ROUTER WITH PLUNGE AND REGULAR BASE		DECK	1	PORTER CABLE 1 3/4 HP	TOOL CRIB OF THE NORTH	
79	4CM54	TOOL SET, FRACTIONAL AND METRIC, 624 PIECE		DECK	1	PROTO CHALLENGER	GRANGER SUPPLY COMPANY	
80	333600	WET MOP HANDLE		DECK	12	RUBBERMAID COMMERCIAL PRODUCTS		
81	150119	WET MOP, COTTON, CUT-END		DECK	12	RUBBERMAID COMMERCIAL PRODUCTS		
82		DAY SHAPES BALL SHAPE		DECK	4	SANDWICH SHIP SUPPLY	18 inch diameter	
83		DAY SHAPES TRIANGLE		DECK	6	SANDWICH SHIP SUPPLY	sized to match balls	
84	07850	TOILET PAPER, 2-PLY (ROLES)		DECK	300	SCOTT PAPER COMPANY		
85	SMH-9-12	BOAT HOOK		DECK	3	SEISMIC/MARINE HARDWARE, INC.		
86	1635	BAROMETER, BLACK, WALL MOUNTED		DECK	1	SETH THOMAS CORPORATION		
87	6Z787	AIR HOSE 3/8X25FT, 1/4 " FITTINGS		DECK	5	SPEEDAIRE	GRAINGER SUPPLY COMPANY	
88	5C594	BLOCK PLANE		DECK	2	STANLEY	GRAINGER SUPPLY COMPANY	
89	5C586	WOOD CHISEL SET		DECK	1	STANLEY	GRAINGER SUPPLY COMPANY	
90	5R840	SAW, CROSSCUT, HAND		DECK	1	STANLEY	GRAINGER SUPPLY COMPANY	
91	4CM55	TOOL SET CARPENTERS		DECK	1	STANLEY	GRANGER SUPPLY COMPANY	
92	4L545	HOLE SAW KIT, INDUSTRIAL, STARRETT		DECK	1	STARRETT	GRANGER SUPPLY COMPANY	
93		VACUUM CLEANERS WET/DRY 2-1/2 HP		DECK	2	Home Depot	SHOPVAC STAINLESS STEEL TANK	

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
94	CM138	BATTERY PACK		DECK	2	TRIPLE G SUPPLY		
95	5W569	PAINT SPRAY OUTFIT, HVLP (WAGNER)		DECK	1	WAGNER 2900	GRANGER SUPPLY COMPANY	
96	5312T51	GLOVES, WORK HEAT RESISTANT, LEATHER 531		DECK	6	WESTERN FIRE EQUIPMENT CO.		
97	R21	CARTRIDGE, ORGANIC VAPOR RESPI		DECK	24	WILLSON SAFETY PRODUCTS		
98	#1221-15	RESPIRATOR, W/ORGANIC VAPOR CART R21		DECK	6	WILLSON SAFETY PRODUCTS		
99	PN2DA	SHEARS, SAIL MAKERS		DECK	1	WISS TOOLS		
100	3433T18	Hydraulic Bench Tool and Die Set		DECK	1	NICROPRESS	McMASTER-CARR SUPPLY	
101	3582T5	Multi Groove Hand Tool		DECK	1	NICROPRESS	McMASTER-CARR SUPPLY	
102	30965T2	Compression Sleeve Kit		DECK	1	NICROPRESS	McMASTER-CARR SUPPLY	
103		BENCH GRINDER, 2 WHEEL WITH GUARD		ENGINEERING	1	COMMERCIAL		
104	50	ELECTRICAL INSULATION TAPE		ENGINEERING	18	3M/ELECTRICAL PRODUCTS DIVISION		
105		PLUG, CONICAL, SOFTWOOD		ENGINEERING	4	A.L. DON COMPANY/STEELSTRAN IND	TRIPLE G SUPPLY, INC	
106		PLUG, CONICAL, SOFTWOOD		ENGINEERING	4	A.L. DON COMPANY/STEELSTRAN IND	TRIPLE G SUPPLY, INC	
107		PLUG, CONICAL, SOFTWOOD		ENGINEERING	4	A.L. DON COMPANY/STEELSTRAN IND	TRIPLE G SUPPLY, INC	
108		PLUG, CONICAL, SOFTWOOD		ENGINEERING	4	A.L. DON COMPANY/STEELSTRAN IND	TRIPLE G SUPPLY, INC	
109		PLUG, CONICAL, SOFTWOOD		ENGINEERING	4	A.L. DON COMPANY/STEELSTRAN IND	TRIPLE G SUPPLY, INC	
110	390	PIPE CUTTING OIL, 1GL.		ENGINEERING	2	A.W. CHESTERTON COMPANY		
111	95-2 X 50	POTABLE WATER HOSE W/COUPLED BRASS M/F F		ENGINEERING	3	ACCORD INTERNATIONAL, INC.		
112	SET #667	HEX KEY WRENCH SET, SHORT ARM		ENGINEERING	1	ALLEN/HOLO-KROME COMPANY		
113	#5269C	CONNECTOR BODY		ENGINEERING	10	AMERACE IND. ELEC. PRODUCTS		
114	#5266C	PLUG		ENGINEERING	1	AMERACE IND. ELEC. PRODUCTS		
115	3750	RUSSELLSTOLL WATERTIGHT CONNECTORS		ENGINEERING	8	AMERACE IND. ELEC. PRODUCTS		
116	3913U1	RUSSELLSTOLL WATERTIGHT CONNECTORS		ENGINEERING	6	AMERACE IND. ELEC. PRODUCTS		
117	3934	RUSSELLSTOLL WATERTIGHT CONNECTORS		ENGINEERING	6	AMERACE IND. ELEC. PRODUCTS		
118	372001	RUSSELLSTOLL WATERTIGHT PLUGS		ENGINEERING	6	AMERACE IND. ELEC. PRODUCTS		
119	3760	RUSSELLSTOLL WATERTIGHT PLUGS		ENGINEERING	1	AMERACE IND. ELEC. PRODUCTS		
120	3933	RUSSELLSTOLL WATERTIGHT PLUGS		ENGINEERING	8	AMERACE IND. ELEC. PRODUCTS		
121	#50	TAPE CORROSION PROTECTING, ALL		ENGINEERING	1	AMERACE IND. ELEC. PRODUCTS		
122	B252	DISPENSER, SHOP TOWEL		ENGINEERING	2	AMERICAN STANDARD, INC.		
123	76-337	METAL TUBE FLARING TOOL, HAND-OPERATED		ENGINEERING	1	ARMSTRONG BROTHERS TOOL COMPANY		
124	8032-12	COLD CHISEL, HAND		ENGINEERING	1	BAHCO TOOLS, INC.		

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
125	8032-6	COLD CHISEL, HAND		ENGINEERING	1	BAHCO TOOLS, INC.		
126	2274	GREASE GUN, HAND-LEVER OPERATE		ENGINEERING	2	BALCRANK INDUSTRIAL PRODUCTS	OFFERING LINCOLN 1035	
127	SU35B	CLEANER/LUBRICATOR, WIRE ROPE		ENGINEERING	1	KIRKPATRICK	NSN 4930-01-424-2197	
128	197/3	RUBBER MALLET, NO.3		ENGINEERING	2	C.S. OSBORNE & COMPANY		
129	420G	SLIP JOINT PLIERS		ENGINEERING	2	CHANNELLOCK, INC.		
130	4Z779	AIR IMPACT WRENCH KIT		ENGINEERING	1	CHICAGO PNEUMATIC		
131	3287T92	CHAIN FALLS - 1 TON		ENGINEERING	1	COLUMBUS MCKINNON CYCLONE		
132		PIPE, BRASS		ENGINEERING	1	COMMERCIAL	BRASS	
133		PIPE, BRASS		ENGINEERING	1	COMMERCIAL	BRASS	
134	6630005311	FUEL OIL TEST KIT		ENGINEERING	1	COMMERCIAL	GERIN CORP OIL COND. KIT	
135	44605K192	UNION COUPLING, STEEL		ENGINEERING	4	COMMERCIAL	McMASTER CARR CAT	
136	44605K193	UNION COUPLING, STEEL		ENGINEERING	4	COMMERCIAL	McMASTER CARR CAT	
137	44605K194	UNION COUPLING, STEEL		ENGINEERING	4	COMMERCIAL	McMASTER CARR CAT	
138	44605K195	UNION COUPLING, STEEL		ENGINEERING	4	COMMERCIAL	McMASTER CARR CAT	
139	44605K196	UNION COUPLING, STEEL		ENGINEERING	4	COMMERCIAL	McMASTER CARR CAT	
140	LSTTSU-1.5	CABLE, SHORE TELEPHONE LINE		ENGINEERING	1	COMMERCIAL	X 300 FT LONG	
141	58052	SCISSORS, HAND		ENGINEERING	2	COOPERTOOLS		
142	CHEVRON UN	LUBRICATING OIL, GRADE 90		ENGINEERING	1	CROWN INDUSTRIAL PRODUCTS		
143	14360	EPOXY CEMENT		ENGINEERING	2	DEVCON CORPORATION/ITW		
144	MODEL RBA	OILER, HAND		ENGINEERING	4	EAGLE MANUFACTURING COMPANY		
145	2W274	SAFETY CAN, OILY WASTE 2W274		ENGINEERING	1	EAGLE MANUFACTURING COMPANY		
146	921-FL	STEEL CAN WITH COVER, OILY WAS		ENGINEERING	2	EAGLE MANUFACTURING COMPANY		
147	51520	ANTI-SEIZING PIPE THREAD TAPE		ENGINEERING	10	FEL-PRO, INC.		
148	816	TESTER, INSULATION (MEGGER)		ENGINEERING	1	FLUKE		
149	8062A	MULTIMETER, DIGITAL		ENGINEERING	2	FLUKE MODEL 12		
150		FREON - TYPE TO MATCH INSTALLED EQUIPMENT		ENGINEERING	2	FREON FOR INSTALLED EQUIPMENT		
151	25FL1	SEWER AUGER, HAND		ENGINEERING	1	GENERAL WIRE SPRING COMPANY		
152	25FL2	SEWER AUGER, HAND		ENGINEERING	1	GENERAL WIRE SPRING COMPANY		
153	2575A7	HEX RETHREADING DIE SET		ENGINEERING	1	GREENFIELD TAP & DIE		
154		THREAD CUTTING TAP SET, TAPER METRIC		ENGINEERING	1	GREENFIELD TAP & DIE		
155		THREAD CUTTING TAP SET, TAPER ENGLISH		ENGINEERING	1	GREENFIELD TAP & DIE		

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
156	7437K16	INSULATING VARNISH, ELECTRICAL		ENGINEERING	1	HENRIC-VECOM, USA, LTD.	McMASTER CARR CAT	
157		INSERT BLOCKS, CABLE ENTRY SEALING		ENGINEERING	1	HUBBELL	FOR 12 GAGE CABLE	
158		PLUGS, COMPATIBLE TO HUBBLE ENT. SYS		ENGINEERING	4	HUBBELL	NAVAL ELECTRONICS P/N 201	
159	4187-680	KNIFE, PUTTY 2 IN. WD. BLADE		ENGINEERING	6	HYDE TOOLS COMPANY		
160	4187-940	RAZOR BLADE, FOR UTILITY KNIFE		ENGINEERING	1	HYDE TOOLS COMPANY		
161	4187-910	UTILITY KNIFE, RAZOR		ENGINEERING	4	HYDE TOOLS COMPANY		
162	34-002	FUSE PULLER, 100 AMP, 250 VOLT		ENGINEERING	1	IDEAL INDUSTRIES, INC.		
163	34-003	FUSE PULLER, 100 AMP, 600 VOLT		ENGINEERING	1	IDEAL INDUSTRIES, INC.		
164	58549	MEASURING TAPE, STEEL		ENGINEERING	3	IRWIN MEASURING TOOL COMPANY		
165	58555	MEASURING TAPE, STEEL		ENGINEERING	3	IRWIN MEASURING TOOL COMPANY		
166	73906	OFFSET SCREWDRIVER, 3/8 INCH BLADES		ENGINEERING	2	IRWIN MEASURING TOOL COMPANY		
167	58819	TANK GAUGING TAPE, INNAGE		ENGINEERING	2	IRWIN MEASURING TOOL COMPANY		
168	58823	TANK GAUGING TAPE, INNAGE		ENGINEERING	2	IRWIN MEASURING TOOL COMPANY		
169	59019	TANK GAUGING TAPE, OUTAGE		ENGINEERING	2	IRWIN MEASURING TOOL COMPANY		
170	ED-118	DIESEL LOG BOOK		ENGINEERING	12	J.P. GRUNDY, INC.		
171	DB-29	TWIST DRILL SET		ENGINEERING	2	JET TOOL CO.		
172	202	GREASE, GRADE C		ENGINEERING	1	JET-LUBE, INC.		
173	D202-6	DIAGONAL CUTTING PLIERS		ENGINEERING	1	KLIEN		
174	D213-8NE	LINEMAN'S PLIERS		ENGINEERING	2	KLIEN		
175	L1-16	PENETRATING OIL, NO.1		ENGINEERING	1	LIQUID WRENCH, INC.		
176		MACHINISTS VISE		ENGINEERING	1	MACARCO		
177	8984K24	CRES BAR, ROUND 8984K24		ENGINEERING	5	McMASTER-CARR SUPPLY COMPANY	72" LENGTH	
178	8984K26	CRES BAR, ROUND 8984K26		ENGINEERING	5	McMASTER-CARR SUPPLY COMPANY	72" LENGTH	
179	8984K28	CRES BAR, ROUND 8984K28		ENGINEERING	5	McMASTER-CARR SUPPLY COMPANY	72" LENGTH	
180	98520A029	THREADED STAINLESS STEEL RODS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	72" LENGTHS	
181	98520A030	THREADED STAINLESS STEEL RODS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	72" LENGTHS	
182	98520A031	THREADED STAINLESS STEEL RODS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	72" LENGTHS	
183	98520A033	THREADED STAINLESS STEEL RODS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	72" LENGTHS	
184	98520A035	THREADED STAINLESS STEEL RODS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	72" LENGTHS	
185	98520A036	THREADED STAINLESS STEEL RODS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	72" LENGTHS	
186	8987K11	HEXAGON, BAR, STEEL		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	CHANGED TO 3/16" DIA	

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
187	90490A032	HEX NUT, STEEL		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	CHANGED TO 7/16-20 THREAD	
188	98920A029	THREADED STEEL RODS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	CHANGED TO 72"	
189	98920A030	THREADED STEEL RODS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	CHANGED TO 72"	
190	98920A031	THREADED STEEL RODS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	CHANGED TO 72" LONG	
191	98920A033	THREADED STEEL RODS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	CHANGED TO 72" LONG	
192	98920A035	THREADED STEEL RODS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	CHANGED TO 72" LONG	
193	98920A036	THREADED STEEL RODS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	CHANGED TO 72" LONG	
194	8911K41	BUSHING, BRONZE		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	CORED BRONZE STOCK BUSHING	
195	8918K84	BUSHING, BRONZE		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	CORED BRONZE STOCK BUSHING	
196	8918K94	BUSHING, BRONZE		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	CORED BRONZE STOCK BUSHING	
197		BUSHING, BRONZE		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	CORED BRONZE STOCK BUSHING	
198		BUSHING, BRONZE		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	CORED BRONZE STOCK BUSHING	
199		BUSHING, BRONZE		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	CORED BRONZE STOCK BUSHING	
200		BUSHING, BRONZE		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	CORED BRONZE STOCK BUSHING	
201		ROUND BRONZE STOCK		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	J.M. TULL CO.	
202		ROUND BRONZE STOCK		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	J.M. TULL CO.	
203		ROUND BRONZE STOCK		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	J.M.TULL CO.	
204	8740A11	STONE, GRINDING HONING (GRINDING WHL, DR		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	McMASTER CARR CAT	
205	1957K5	TOOL BOX, AIR COND/REFRIGERATION		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	McMASTER CARR CAT	
206		WRENCH SET, STILLSON PIPE, HEAVY DUTY		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY	McMASTER CARR CAT	
207		WASHERS, SUPPLY VALVE		ENGINEERING	4	McMASTER-CARR SUPPLY COMPANY	RUBBER WASHERS FOR WASHIN	
208	4516K32	45 DEGREE PIPE ELBOW, GALVANIZED		ENGINEERING	8	McMASTER-CARR SUPPLY COMPANY		
209	4516K61	45 DEGREE PIPE ELBOW, BRASS		ENGINEERING	8	McMASTER-CARR SUPPLY COMPANY		
210	4516K62	45 DEGREE PIPE ELBOW, BRASS		ENGINEERING	8	McMASTER-CARR SUPPLY COMPANY		
211	4516K63	45 DEGREE PIPE ELBOW, BRASS		ENGINEERING	8	McMASTER-CARR SUPPLY COMPANY		
212	4516K64	45 DEGREE PIPE ELBOW, BRASS		ENGINEERING	3	McMASTER-CARR SUPPLY COMPANY		
213	4516K65	45 DEGREE PIPE ELBOW, BRASS		ENGINEERING	3	McMASTER-CARR SUPPLY COMPANY		
214	4516K31	45 DEGREE PIPE ELBOW, GALVANIZED		ENGINEERING	8	McMASTER-CARR SUPPLY COMPANY		
215	4516K33	45 DEGREE PIPE ELBOW, GALVANIZED		ENGINEERING	8	McMASTER-CARR SUPPLY COMPANY		
216	4516K34	45 DEGREE PIPE ELBOW, GALVANIZED		ENGINEERING	3	McMASTER-CARR SUPPLY COMPANY		
217	4516K35	45 DEGREE PIPE ELBOW, GALVANIZED		ENGINEERING	3	McMASTER-CARR SUPPLY COMPANY		

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
218	4515K61	90 DEGREE PIPE ELBOW, BRASS		ENGINEERING	8	McMASTER-CARR SUPPLY COMPANY		
219	4515K62	90 DEGREE PIPE ELBOW, BRASS		ENGINEERING	8	McMASTER-CARR SUPPLY COMPANY		
220	4515K63	90 DEGREE PIPE ELBOW, BRASS		ENGINEERING	3	McMASTER-CARR SUPPLY COMPANY		
221	4515K64	90 DEGREE PIPE ELBOW, BRASS		ENGINEERING	3	McMASTER-CARR SUPPLY COMPANY		
222	4515K65	90 DEGREE PIPE ELBOW, BRASS		ENGINEERING	3	McMASTER-CARR SUPPLY COMPANY		
223	4515K31	90 DEGREE PIPE ELBOW, GALVANIZED		ENGINEERING	8	McMASTER-CARR SUPPLY COMPANY		
224	4515K32	90 DEGREE PIPE ELBOW, GALVANIZED		ENGINEERING	8	McMASTER-CARR SUPPLY COMPANY		
225	4515K33	90 DEGREE PIPE ELBOW, GALVANIZED		ENGINEERING	3	McMASTER-CARR SUPPLY COMPANY		
226	4515K34	90 DEGREE PIPE ELBOW, GALVANIZED		ENGINEERING	3	McMASTER-CARR SUPPLY COMPANY		
227	4515K35	90 DEGREE PIPE ELBOW, GALVANIZED		ENGINEERING	3	McMASTER-CARR SUPPLY COMPANY		
228	4058K11	BATTERY HYDROMETER SET		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
229		BUSHING, BRASS		ENGINEERING	12	McMASTER-CARR SUPPLY COMPANY		
230		BUSHING, HEX, BRASS (4 EACH)		ENGINEERING	12	McMASTER-CARR SUPPLY COMPANY		
231	1098K16	CAPS, LUBRICATION, FITTINGS, ASST		ENGINEERING	500	McMASTER-CARR SUPPLY COMPANY		
232	5924A61	CARPENTERS HAMMER, CURVED CLAW		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
233		C-CLAMPS, VARIOUS SIZES, SET		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
234	7478T24	CLEANER, HAND CREME, 5 LB.		ENGINEERING	12	McMASTER-CARR SUPPLY COMPANY		
235		COUPLING, HALF UNION BRASS		ENGINEERING	4	McMASTER-CARR SUPPLY COMPANY		
236		COUPLING, HALF UNION, BRASS UNION		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
237		COUPLING, HALF UNION, BRASS UNION		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
238		COUPLING, REDUCING, BRASS		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
239		COUPLING, REDUCING, BRASS		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
240		COUPLING, REDUCING, BRASS		ENGINEERING	6	McMASTER-CARR SUPPLY COMPANY		
241		COUPLING, REDUCING, BRASS		ENGINEERING	6	McMASTER-CARR SUPPLY COMPANY		
242	8984K23	CRES BAR, ROUND 8984K23		ENGINEERING	5	McMASTER-CARR SUPPLY COMPANY		
243	8984K22	CRES BAR, ROUND 8984K22		ENGINEERING	5	McMASTER-CARR SUPPLY COMPANY		
244	8606T14	ELECTRIC ETCHER/ENGRAVER		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
245	7089K16	ELECTRICAL EXTENSION CORD		ENGINEERING	6	McMASTER-CARR SUPPLY COMPANY		
246	2801K62	FAUCET WASHERS		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
247	8992K15	FLAT BAR, STEEL,		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
248	8992K17	FLAT BAR, STEEL,		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
249	7693A2	FLUX, SOLDERING		ENGINEERING	1	MCMASTER-CARR SUPPLY COMPANY		
250	7798A12	FLUX, SOLDERING LIQUID		ENGINEERING	1	MCMASTER-CARR SUPPLY COMPANY		
251	7696A1	FLUX, SOLDERING PASTE		ENGINEERING	2	MCMASTER-CARR SUPPLY COMPANY		
252	91236A587	HEX CAP SCREWS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
253	91236A591	HEX CAP SCREWS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
254	91236A624	HEX CAP SCREWS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
255	91236A632	HEX CAP SCREWS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
256	91236A673	HEX CAP SCREWS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
257	91236A677	HEX CAP SCREWS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
258	91236A716	HEX CAP SCREWS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
259	91236A720	HEX CAP SCREWS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
260	91236A728	HEX CAP SCREWS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
261	90490A029	HEX NUT, STEEL		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
262	90490A030	HEX NUT, STEEL		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
263	90490A031	HEX NUT, STEEL		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
264	90490A033	HEX NUT, STEEL		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
265	8987K13	HEXAGON, BAR, STEEL		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
266	7454T16	HOSE ASSEMBLY, NON-METALLIC		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
267	7454T22	HOSE ASSEMBLY, NON-METALLIC		ENGINEERING	4	McMASTER-CARR SUPPLY COMPANY		
268	1016T1	INSPECTION MIRROR, ADJUSTABLE		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
269	7437K16	INSULATING VARNISH, SPRAY		ENGINEERING	12	McMASTER-CARR SUPPLY COMPANY		
270	1625T65	LETTERING SET, 2 IN. GOTHIC		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
271	4380T1	METAL FUNNEL WITH FLEXIBLE CEN		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
272	4260T4	METAL PAIL, GALVANIZED STEEL 4260T4		ENGINEERING	6	McMASTER-CARR SUPPLY COMPANY		
273	9036K331	METAL STRIPS, STEEL		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
274	9036K332	METAL STRIPS, STEEL		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
275	4549K531	NIPPLE, CLOSE PIPE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
276	4549K571	NIPPLE, CLOSE PIPE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
277	4568K135	NIPPLE, PIPE, BRASS, 4568K135		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
278	4568K137	NIPPLE, PIPE, BRASS, 4568K137		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
279	4568K142	NIPPLE, PIPE, BRASS, 4568K142		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
280	4568K155	NIPPLE, PIPE, BRASS, 4568K155		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
281	4568K157	NIPPLE, PIPE, BRASS, 4568K157		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
282	4568K162	NIPPLE, PIPE, BRASS, 4568K162		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
283	4568K175	NIPPLE, PIPE, BRASS, 4568K175		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
284	4568K177	NIPPLE, PIPE, BRASS, 4568K177		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
285	4568K182	NIPPLE, PIPE, BRASS, 4568K182		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
286	4568K194	NIPPLE, PIPE, BRASS, 4568K194		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
287	4568K196	NIPPLE, PIPE, BRASS, 4568K196		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
288	4568K211	NIPPLE, PIPE, BRASS, 4568K211		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
289	4568K224	NIPPLE, PIPE, BRASS, 4568K224		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
290	4568K226	NIPPLE, PIPE, BRASS, 4568K226		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
291	4568K231	NIPPLE, PIPE, BRASS, 4568K231		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
292	4549K611	NIPPLE, PIPE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
293	4549K612	NIPPLE, SHORT PIPE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
294	9556K75	PAPER GASKET MATERIAL, ASSORTMENT		ENGINEERING	12	McMASTER-CARR SUPPLY COMPANY		
295	3255K46	PARTS WASHER		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
296	4549K535	PIPE NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
297	4549K537	PIPE NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
298	4549K542	PIPE NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
299	4549K555	PIPE NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
300	4549K557	PIPE NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
301	4549K562	PIPE NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
302	4549K575	PIPE NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
303	4549K577	PIPE NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
304	4549K582	PIPE NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
305	4549K595	PIPE NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
306	4549K596	PIPE NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
307	4549K602	PIPE NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
308	4549K614	PIPE NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
309	4549K616	PIPE NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
310	4549K621	PIPE NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
311	4549K552	PIPE NIPPLE, SHORT , GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
312	4549K551	PIPE NIPPLE, SHORT, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
313	4552K22	PIPE PLUG, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
314	4552K23	PIPE PLUG, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
315	4552K24	PIPE PLUG, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
316	4552K25	PIPE PLUG, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
317	4552K26	PIPE PLUG, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
318	4554K15	PIPE PLUG, STAINLESS STEEL		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
319	4554K16	PIPE PLUG, STAINLESS STEEL		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
320	4549K591	PIPE, NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
321	5352A11	SCREW STARTER, HAND		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
322	9055K999-1	SHEET METAL, GALVANIZED STEEL		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
323	9057K999-1	SHEET METAL, STEEL		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
324	9057K999-1	SHEET METAL, STEEL		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
325	4549K532	SHORT PIPE NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
326	4549K572	SHORT PIPE NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
327	4549K592	SHORT PIPE NIPPLE, GALVANIZED		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
328	9861A010	STOVE BOLTS		ENGINEERING	4	McMASTER-CARR SUPPLY COMPANY		
329	4638K124	TEE, PIPE, GALVANIZED		ENGINEERING	3	McMASTER-CARR SUPPLY COMPANY		
330	5741A21	TOOL BOX, MASTER MECHANICS 5741A21		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
331	6581A13	TOOL SET, ELECTRICIANS		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
332	2421A1	TUBE BENDER, HAND		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
333	2801K61	WASHERS, FAUCET, ASSORTMENT		ENGINEERING	2	McMASTER-CARR SUPPLY COMPANY		
334	3738A1	WIRE NIPPERS, END CUTTING		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY		
335		CLOTH, ASSORTMENT, ABRASIVE		ENGINEERING	6	McMASTER-CARR SUPPLY COMPANY CA		
336	3506A76	COLD CHISEL SET, DELUXE		ENGINEERING	1	McMASTER-CARR SUPPLY COMPANY CA		
337	874-BR	HOSE COUPLING SPANNER WRENCH		ENGINEERING	2	METROPOLITAN RUBBER COMPANY, IN		
338	MF1218BF	HACKSAW BLADE, 18 TEETH		ENGINEERING	12	MILLERS FALLS TOOL COMPANY		
339	MF1232BF	HACKSAW BLADE, 32 TEETH		ENGINEERING	12	MILLERS FALLS TOOL COMPANY		
340	MF48-12	INDUSTRIAL FRAME HACKSAW		ENGINEERING	2	MILLERS FALLS TOOL COMPANY		
341	1270	MACHINIST SQUARE		ENGINEERING	1	MILLERS FALLS TOOL COMPANY		

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
342	1500-03	STAMP SET, 1/8 IN. ,HG. STEEL, LETTERS A		ENGINEERING	1	MILLERS FALLS TOOL COMPANY		
343	1550-03	STAMP SET, 1/8 IN., HG. STEEL, , NUMBERS		ENGINEERING	1	MILLERS FALLS TOOL COMPANY		
344	LJ-0	SCREW JACK, HAND OPERATED		ENGINEERING	1	MILWAUKEE TOOL & EQUIPMENT COMP	CHANGED TO 3 TON CAPACITY	
345	MODEL 87	COMBINATION PIPE VISE WITH SWI		ENGINEERING	1	MILWAUKEE TOOL & EQUIPMENT COMP		
346	LJ-12	SCREW JACK, HAND OPERATED		ENGINEERING	1	MILWAUKEE TOOL & EQUIPMENT COMP		
347	0141-1 REV	ELECTRIC DRILL, 120V		ENGINEERING	1	MILWAUKEE TOOL & EQUIPMENT COMPANY		
348	0229-1 REV	ELECTRIC DRILL, 120V		ENGINEERING	1	MILWAUKEE TOOL & EQUIPMENT COMPANY		
349	4A505	STRAP WRENCH, PIPE TO 2"		ENGINEERING	1	MILWAUKEE TOOL & EQUIPMENT DIVISION		
350	94	COTTER PIN, ASSORTMENT		ENGINEERING	2	MMC CORPORATION		
351	C-504	VINYL TAPE, HEAVY-DUTY		ENGINEERING	40	MOTT COMPANY		
352	H-15	ENGINEERS HAMMER, DOUBLE FACED, NON SPAR		ENGINEERING	1	NGK METALS CORPORATION	NON SPARK	
353	W-154-2349	ADJUSTABLE END WRENCH, NON- SPARKING		ENGINEERING	2	NGK METALS CORPORATION	NON-SPARKING	
354	W-155-2350	ADJUSTABLE END WRENCH, NON-SPARKING		ENGINEERING	2	NGK METALS CORPORATION	NON-SPARKING	
355	W-180-2440	MONKEY WRENCH, JAWS TO 1-7/8", NON-SPARK		ENGINEERING	1	NGK METALS CORPORATION	NON-SPARKING	
356	W-182-2442	MONKEY WRENCH, JAWS TO 2-13/16, NON-SPAR		ENGINEERING	1	NGK METALS CORPORATION	NON-SPARKING	
357	03632	DOUBLE CUT FLAT FILE, AM PIN		ENGINEERING	2	NICHOLSON TOOLS		
358	03797	DOUBLE CUT FLAT FILE, AM PIN		ENGINEERING	2	NICHOLSON TOOLS		
359	03896	DOUBLE CUT FLAT FILE, AM PIN		ENGINEERING	2	NICHOLSON TOOLS		
360	08799	SINGLE CUT MILL FILE, AM PIN		ENGINEERING	2	NICHOLSON TOOLS		
361	233	METAL POLISH PASTE		ENGINEERING	12	NUVITE CHEMICAL COMPOUNDS		
362	1781	WIRE BRUSH, 14"		ENGINEERING	10	OSBORN MANUFACTURING/JASON, INC		
363	#49F	TUBE, THREADED, 90 DEG. MALEENDS		ENGINEERING	2	PAULUHN ELECTRIC MANUF. CO.		
364	1500M1	TUBE, THREADED, 90 DEG.		ENGINEERING	2	PAULUHN ELECTRICAL MANUF. CO.		
365		TUBING, COPPER		ENGINEERING	50	PAULUHN ELECTRICAL MANUFACTURING	TRIPLE G SUPPLY INC 1/2"	
366		TUBING, COPPER		ENGINEERING	100	PAULUHN ELECTRICAL MANUFACTURING	TRIPLE G SUPPLY INC 1/4"	
367		TUBING, COPPER		ENGINEERING	100	PAULUHN ELECTRICAL MANUFACTURING	TRIPLE G SUPPLY INC 3/16"	
368		TUBING, COPPER		ENGINEERING	50	PAULUHN ELECTRICAL MANUFACTURING	TRIPLE G SUPPLY INC 3/8"	
369		TUBING, COPPER		ENGINEERING	50	PAULUHN ELECTRICAL MANUFACTURING	TRIPLE G SUPPLY INC 5/16"	
370	FS-4-NA	FLUORESCENT LAMP STARTERS		ENGINEERING	100	PAULUHN ELECTRICAL MANUFACTURING		
371	150352A	STUFFING TUBES 150352A		ENGINEERING	12	PAULUHN ELECTRICAL MANUFACTURING		
372	1501-51A	STUFFING TUBES, TERMINAL TYPE		ENGINEERING	10	PAULUHN ELECTRICAL MANUFACTURING		

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
373	1NX1502	TUBE, THREADED, 90 DEG. 1NX1502		ENGINEERING	2	PAULUHN ELECTRICAL MANUFACTURING CO		
374	4872-000	COMPOUND, SEALING, GASKET		ENGINEERING	2	PERMATEX INDUSTRIAL CORP		
375	1S4872-800	COMPOUND, SEALING, GASKET TYPE 2D		ENGINEERING	2	PERMATEX INDUSTRIAL CORP		
376	8185526LA	SILICONE, SEALANT RED		ENGINEERING	6	PERMATEX INDUSTRIAL CORP		
377	8003-1C	GASKET SEALING COMPOUND, TYPE 1C		ENGINEERING	2	PERMATEX INDUSTRIAL CORPORATION		
378	80011-2C	GASKET SEALING COMPOUND, TYPE 2D		ENGINEERING	2	PERMATEX INDUSTRIAL CORPORATION		
379	80851	O-RING FABRICATION KIT		ENGINEERING	2	PERMATEX INDUSTRIAL CORPORATION		
380	THOF-500	PLUGS, MATING		ENGINEERING	4	PIGTAIL LUGGED AT FREE END FOR EACH		
381	476-1/4	DRAIN COCK		ENGINEERING	6	PIMA VALVE, INC.		
382	476-1/8	DRAIN COCK		ENGINEERING	6	PIMA VALVE, INC.		
383	11-649	SLEDGE HAMMER, 3 LBS		ENGINEERING	2	PLUMB TOOLS	14" LONG	
384	11-659	SLEDGE HAMMER, 6 LBS.		ENGINEERING	2	PLUMB TOOLS	36" LONG	
385	11-406	CARPENTERS HAMMER, CURVED CLAW		ENGINEERING	1	PLUMB TOOLS		
386	11-400	MACHINIST HAMMER, BALL PEEN		ENGINEERING	2	PLUMB TOOLS		
387	11-521	MACHINIST HAMMER, BALL PEEN		ENGINEERING	2	PLUMB TOOLS		
388	204G	DIAGONAL CUTTING PLIERS		ENGINEERING	1	PROTO		
389	45955K71	HOSE CLAMP, ASSORTMENT, 301 STAINLESS ST		ENGINEERING	48	McMASTER-CARR SUPPLY COMPANY		
390		PLUGS, MATING CONTINUATION		ENGINEERING	2	SHORE POWER CABLE/THOR-500 COMPATIBLE		
391	DO-32-AN	FLUSHING VALVE REPAIR KIT		ENGINEERING	2	SLOAN VALVE COMPANY		
392	5065-040	PIPE PLUG, BRASS		ENGINEERING	2	STANLEY G. FLAGG & COMPANY, INC	BRASS	
393	5065-060	PIPE PLUG, BRASS		ENGINEERING	2	STANLEY G. FLAGG & COMPANY, INC	BRASS	
394	5065-100	PIPE PLUG, BRASS		ENGINEERING	2	STANLEY G. FLAGG & COMPANY, INC	BRASS	
395	5065-150	PIPE PLUG, BRASS		ENGINEERING	2	STANLEY G. FLAGG & COMPANY, INC	BRASS	
396	5065-200	PIPE PLUG, BRASS		ENGINEERING	2	STANLEY G. FLAGG & COMPANY, INC	BRASS	
397	4638K121	PIPE TEE, GALVANIZED		ENGINEERING	3	STANLEY G. FLAGG & COMPANY, INC	McMASTER CARR CAT	
398	4638K122	PIPE TEE, GALVANIZED		ENGINEERING	3	STANLEY G. FLAGG & COMPANY, INC	McMASTER CARR CAT	
399	4638K123	PIPE TEE, GALVANIZED		ENGINEERING	3	STANLEY G. FLAGG & COMPANY, INC	McMASTER CARR CAT	
400	4638K125	PIPE TEE, GALVANIZED		ENGINEERING	3	STANLEY G. FLAGG & COMPANY, INC	McMASTER CARR CAT	
401	5461	EXTENSION, SOCKET WRENCH		ENGINEERING	1	STANLEY PROTO INDUST TOOLS		
402	5449	HANDLE, SOCKET WRENCH		ENGINEERING	1	STANLEY PROTO INDUST TOOLS		
403	5466	HANDLE, SOCKET WRENCH		ENGINEERING	1	STANLEY PROTO INDUSTRIAL TOOLS		

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
404	5467	HANDLE, SOCKET WRENCH		ENGINEERING	1	STANLEY PROTO INDUSTRIAL TOOLS		
405	54128	1/2 INCH SQUARE DRIVE SOCKET SET 54128		ENGINEERING	1	STANLEY-PROTO INDUSTRIAL TOOL		
406	4213E	3-WAY ADJUSTABLE JAW PULLER 4213E		ENGINEERING	1	STANLEY-PROTO INDUSTRIAL TOOL		
407	6126-A	TORQUE WRENCH, 1/2 INCH SQUARE 6126-A		ENGINEERING	2	STANLEY-PROTO INDUSTRIAL TOOL		
408	5463	EXTENSION, SOCKET WRENCH		ENGINEERING	1	STANLEY-PROTO INDUSTRIAL TOOLS		
409	FDS-7	FLOOR MATTING SAFETY RUBBER 3X4 FT.		ENGINEERING	2	TEKNOR APEX		
410	3548	DRILL CHUCK KEY, MODEL KG		ENGINEERING	4	THE JACOBS CHUCK MANUFACTURING		
411	C604R-12	MACHINIST RULER, STEEL		ENGINEERING	1	THE L.S. STARRETT COMPANY		
412	C604R-6	MACHINIST RULER, STEEL		ENGINEERING	1	THE L.S. STARRETT COMPANY		
413	250	WELDING KIT		ENGINEERING	1	THE LINCOLN ELECTRIC COMPANY		
414	450	PLUNGER FORCE CUP		ENGINEERING	1	TRAEX/MENASHA CORPORATION		
415	550	PLUNGER FORCE CUP		ENGINEERING	1	TRAEX/MENASHA CORPORATION		
416	3913U1	CONNECTOR PLUG		ENGINEERING	1	TRIPLE G SUPPLY		
417		VALVE, FLUSHING		ENGINEERING	4	TYPE TO MATCH INSTALLED EQUIPMENT	FOR TOILETS ONLY McMASTER	
418	1950SS	TOILET SEAT		ENGINEERING	2	TYPE TO MATCH INSTALLED EQUIPMENT		
419		RUBBER MATTING/SHEETS, 3/16" THICK		ENGINEERING	3	U.S. MAT & RUBBER COMPANY, INC.	MC. CARR CAT	
420	O-40	CYLINDER, COMPRESSED GAS , OXYGEN		ENGINEERING	4	UNITOR SHIPS SERVICE, INC.		
421	A-40	CYLINDER, COMPRESSED GAS, ACETYLENE, A-4		ENGINEERING	3	UNITOR SHIPS SERVICE, INC.		
422	514307	FLUX, ALUMINUM BRAZING ALLOY		ENGINEERING	3	UNITOR SHIPS SERVICE, INC.		
423		FREON TEST AND CHARGING MANIFO		ENGINEERING	1	UNITOR SHIPS SERVICE, INC.		
424	52082	TROLLEY, WELDING CYLINDER 52082		ENGINEERING	1	UNITOR SHIPS SERVICE, INC.		
425	GPO-302S	WELDING ELECTRODES		ENGINEERING	50	UNITOR SHIPS SERVICE, INC.		
426	TBM5-SV	CRIMPING TOOL, WIRE		ENGINEERING	1	VALON/THOMAS-BETTS CORPORATION		
427	WT1300	WIRE CRIMPING TOOL		ENGINEERING	1	VALON/THOMAS-BETTS CORPORATION		
428	66315A21	CUTTING OUTFIT, PORTABLE		ENGINEERING	1	VICTOR	McMASTER CARR	
429	300-1-1/2	BILGE EDUCTOR, PERM-PORT		ENGINEERING	1	VITA MOTIVATOR COMPANY, INC.		
430	1554-4	PUMP, JET EJECTOR		ENGINEERING	1	VITA MOTIVATOR COMPANY, INC.		
431	39400	WOODEN FILE HANDLE FOR 12-14"		ENGINEERING	2	WARRENSVILLE FILE & KNIFE		
432	39300	WOODEN FILE HANDLE FOR 8-10" F		ENGINEERING	2	WARRENSVILLE FILE & KNIFE		
433	42001	LUBRICATING COMPOUND, WD-40		ENGINEERING	4	WD-40 COMPANY		
434	42150	LUBRICATING SPRAY, WD-40		ENGINEERING	12	WD-40 COMPANY		

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
435	AC-40	ACID CORE SOLDER		ENGINEERING	4	WELLER TOOLS	LEAD FREE	
436	RC-40	ROSIN CORE SOLDER		ENGINEERING	4	WELLER TOOLS	LEAD FREE	
437	80024	INSULATED GLOVES, HEAT-RESISTANT		ENGINEERING	4	WESTERN FIRE EQUIPMENT COMPANY	LARGE SIZE	
438	5331T2	GLOVES, INSULATED, HEAT-RESISTANT 5331T		ENGINEERING	4	WESTERN FIRE EQUIPMENT COMPANY		
439		GATE VALVE, BRONZE		ENGINEERING	1	WILLIAM E. WILLIAMS VALVE CORPO	McMASTER CARR CAT	
440	4606K23	GATE VALVE, BRONZE		ENGINEERING	1	WILLIAM E. WILLIAMS VALVE CORPO	McMASTER CARR CAT	
441	4606K24	GATE VALVE, BRONZE		ENGINEERING	1	WILLIAM E. WILLIAMS VALVE CORPO	McMASTER CARR CAT	
442	4606K25	GATE VALVE, BRONZE		ENGINEERING	1	WILLIAM E. WILLIAMS VALVE CORPO	McMASTER CARR CAT	
443	9769K11	GLOBE VALVE, BRONZE		ENGINEERING	2	WILLIAM E. WILLIAMS VALVE CORPO	McMASTER CARR CAT	
444	9769K12	GLOBE VALVE, BRONZE		ENGINEERING	2	WILLIAM E. WILLIAMS VALVE CORPO	McMASTER CARR CAT	
445	9769K13	GLOBE VALVE, BRONZE		ENGINEERING	2	WILLIAM E. WILLIAMS VALVE CORPO	McMASTER CARR CAT	
446	9769K14	GLOBE VALVE, BRONZE		ENGINEERING	2	WILLIAM E. WILLIAMS VALVE CORPO	McMASTER CARR CAT	
447	9769K15	GLOBE VALVE, BRONZE		ENGINEERING	2	WILLIAM E. WILLIAMS VALVE CORPO	McMASTER CARR CAT	
448	665	EAR PROTECTORS, MODEL 665		ENGINEERING	30	WILLSON SAFETY PRODUCTS		
449	ZUR-5	ZINC ANODES		ENGINEERING	12	WILSON WALTON INTERNATIONAL, IN		
450	W-9	METAL CUTTING SHEARS		ENGINEERING	2	WISS TOOLS		
451	W-7	TINNERS SHEARS, STRAIGHT CUT		ENGINEERING	1	WISS TOOLS		
452	4242	GEAR PULLER, JAWS TO 13"		ENGINEERING	1	STANLEY-PROTO INDUSTRIAL TOOLS		
453	T-156	OIL SORBENT PADS		GENERAL	6	3M/ENVIRONMENTAL SAFETY DIVISIO		
454	HT-D550	THEATER SOUND SYSTEM		GENERAL	1	AIWA		
455	1416	HUCK TOWELS		GENERAL	5	ALL SEASONS SERVICES, INC.	PER DOZEN	
456	100H-04	STEP LADDER, HEAVY DUTY		GENERAL	1	ALUMINUM LADDER COMPANY		
457	100H-10	STEP LADDER, HEAVY DUTY		GENERAL	1	ALUMINUM LADDER COMPANY		
458	B88	HAND CLEANER DISPENSER		GENERAL	3	AMERICAN STANDARD, INC.		
459	TO BE SPECIFIED	COMPUTER, PC, WITH 17" FLAT PANEL MONITOR		GENERAL	6	ASSUME \$1300 PER UNIT		
460	101008	FEATHER PILLOW		GENERAL	36	AUTOMATIC BEDDING CORPORATION		
461	MODEL FL63	STEAM IRON, ELECTRIC		GENERAL	2	BLACK-DECKER CORPORATION	BLACK & DECKER MODEL FL63	
462	2U477	VACUUM CLEANER BAGS		GENERAL	5	CLARKE	GRANGER PRODUCTS CATALOG	
463	3KH87	VACUUM CLEANER, UPRIGHT		GENERAL	2	CLARKE	GRANGER PRODUCTS CATALOG	
464	3U972	SHAMPOOER ATTACHMENTS		GENERAL	1	CLARKE	W.W. GRAINGER	
465		COVER, MATTRESS, WHITE COTTON		GENERAL	24	COMMERCIAL	10 EA. 39" x 80" 90 EA.	

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
466		BAG, LAUNDRY, WHITE COTTON		GENERAL	20	COMMERCIAL	42" x 57" KELLY & ABIDE	
467		BLANKET, POLAR FLEESE, COLOR TBD		GENERAL	36	COMMERCIAL	62" x 90" EASTLAND WOOLEN	
468		BED SPREADS, COLOR TBD		GENERAL	36	COMMERCIAL	76" X 110" KELLY & ABIDE	
469		PILLOWCASE, WHITE COTTON, 130 COUNT		GENERAL	3	COMMERCIAL	KELLY & ABIDE 42" x 36" W	PER/DZ
470		TOWEL, FACE COLOR WHITE		GENERAL	3	COMMERCIAL	KELLY & ABIDE CO WHITE 16	PER/DZ
471		CLOTH, WASH, WHITE COTTON		GENERAL	3	COMMERCIAL	KELLY & ABIDE CO. 12" x 1	PER/DZ
472		TOWEL BATH COLOR WHITE		GENERAL	36	COMMERCIAL	KELLY & ABIDE CO. WHITE 2	
473		SHEETS, BED, COTTON MUSLIN, WHITE		GENERAL	72	COMMERCIAL	KELLY & ABIDE CO. WHITE 6	
474		BOARD, IRONING		GENERAL	2	COMMERCIAL		
475		SOFTWARE, COREL WORDPERFECT		GENERAL	10	COMP USA		
476		SOFTWARE, MICROSOFT OFFICE 2000 PROFESSIONAL		GENERAL	10	COMP USA		
477	3Z665	FLOOR POLISHER		GENERAL	1	DAYTON ELECTRIC COMPANY		
478	S-168M	HAND-HELD MEGAPHONE		GENERAL	1	ELISHA WEBB & SON COMPANY		
479	BR1006	UPRIGHT BROOM		GENERAL	10	H.S. WHITE COMPANY, INC.		
480	BR1009	UPRIGHT WAREHOUSE BROOM		GENERAL	2	H.S. WHITE COMPANY, INC.		
481	C4177A	FAX, SCANNER, COPIER		GENERAL	1	HEWLETT PACKARD		
482	C4220A	PRINTER LASER JET 1100A SE		GENERAL	2	HEWLETT PACKARD		
483	C4123A	PRINTER, DUPLEX ACCESSORY		GENERAL	2	HEWLETT PACKARD		
484	C4352A	PRINTER, LASER BLACK/WHITE, 4050N		GENERAL	2	HEWLETT PACKARD		
485	C4089A	PRINTER, LASERJET, COLOR, 4500N		GENERAL	2	HEWLETT PACKARD		
486		COVER, IRONING BOARD		GENERAL	2	IRON-A-WAY, INC.	48" SIZE	
487	HR-VP6502	VCR, VHS		GENERAL	2	JVC		
488	7366T24	WIPING RAGS		GENERAL	4	McMASTER-CARR SUPPLY COMPANY	25 LB BOXES, COTTON	
489	5664T2	BULLETIN BOARD, CORK 5664T2		GENERAL	4	McMASTER-CARR SUPPLY COMPANY	36" x 24"	
490	9059T14	COAT HANGER, WOOD, WITH PANTS ROD		GENERAL	48	McMASTER-CARR SUPPLY COMPANY		
491	2823T2	LAUNDRY HAMPER 2823T2		GENERAL	3	McMASTER-CARR SUPPLY COMPANY		
492	2823T5	LAUNDRY HAMPER BAG		GENERAL	3	McMASTER-CARR SUPPLY COMPANY		
493	4260T4	METAL PAIL, GALVANIZED STEEL 4260T4		GENERAL	6	McMASTER-CARR SUPPLY COMPANY		
494	1225T14	PENCIL SHARPENER, WALL MOUNTED		GENERAL	4	McMASTER-CARR SUPPLY COMPANY		
495	8934-6	VACUUM CLEANER, PORTABLE		GENERAL	2	MILWAUKEE TOOL & EQUIPMENT COMP		
496	C-520	DUCT TAPE, ALUMINUM		GENERAL	24	MOTT COMPANY		

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
497	D-50	STEEL DUSTPAN, NON-SPARKING		GENERAL	6	NGK METALS CORPORATION	NON-SPARKING	
498	DQB-08400	BRUSH, SANITARY		GENERAL	24	OSBORN MANUF/JASON INC.		
499	420	DECK SCRUB BRUSH		GENERAL	4	OSBORN MANUFACTURING/JASON, INC		
500	CCS-156	RADIO RECEIVER SET, STERO, AM/FM , CD, CASSETTE		GENERAL	2	PIONEER	NEW MODEL HTP-725DV 6-CHANNEL	
501	33K	KEY TAGS, PAPER		GENERAL	2	REVERE SUPPLY COMPANY, INC.		
502	2631	GARBAGE CAN WITH COVER, PLASTIC WITH LID		GENERAL	6	RUBBERMAID COMMERCIAL PRODUCTS	WITH LID	
503	2610	GARBAGE CAN, PLASTIC WITH LID		GENERAL	12	RUBBERMAID COMMERCIAL PRODUCTS	WITH LID	
504	6110	MOP BUCKET WITH WRINGER		GENERAL	3	RUBBERMAID COMMERCIAL PRODUCTS		
505	1500	PAPER TOWEL - CASES		GENERAL	4	SCOTT PAPER COMPANY		
506	KV-32XBR45	TELEVISION, 32 INCH		GENERAL	1	SONY		
507	EV-C200	VCR, 8MM		GENERAL	2	SONY		
508	SD-3006	DVD PLAYER		GENERAL	2	TOSHIBA		
509	FLEX-TRED	ANTISLIP STRIP, SELF-ADHESIVE		GENERAL	60	WOOSTER PRODUCTS, INC.		
510		ZOOM COPIER WITH SORTER		GENERAL	1	XEROX CORPORATION		
511	1413	KITCHEN TOWELS		MESS DECKS	20	ALL SEASONS SERVICES, INC.		
512	MODEL SW-2	COFFEE WARMER, 2 POTS		MESS DECKS	1	CECILWARE CORPORATION		
513		HAT, COOK'S (SKULL CAPS)		MESS DECKS	3	COMMERCIAL	G.A. LOTZ CO.	
514	117-D-490-CBY	TRAY, FOOD SERVICE, POLYPRO 12X16		MESS DECKS	36	COMMERCIAL	ZESCO	
515		TIMER, INTERVAL, COOKING		MESS DECKS	2	COMMERCIAL	G.A. LOTZ CO. 0-60 MIN BE	
516		TONGS, FOOD SERVING, STAINLESS		MESS DECKS	2	COMMERCIAL	G.A. LOTZ CO. STAINLESS 9	
517		TABLECLOTH, WHITE COTTON		MESS DECKS	12	COMMERCIAL	KELLY & ABIDE CO. WHITE 3	
518		THERMOMETER, FOOD, SELF-INDICAT		MESS DECKS	1	COMMERCIAL	MEAT THERMOMETER	
519		CLOTH, WASH		MESS DECKS	36	COMMERCIAL		
520	MODEL 2	CAN OPENER, ROTARY KNIFE, MODEL 2		MESS DECKS	2	EDLUND COMPANY, INC.		
521	DW624	COOKING POT, ALUMINUM DW624		MESS DECKS	1	EPICURE - COMM ALUM COOKWARE	24QT	
522	CR-1826	BAKING PAN, ALUMINUM CR-1826		MESS DECKS	2	EPICURE - COMM ALUM COOKWARE	26" x 18"	
523	DW608	COOKING POT, ALUMINUM DW608		MESS DECKS	1	EPICURE - COMM ALUM COOKWARE	8 QT	
524	1620	BAKING PAN, ALUMINUM		MESS DECKS	2	EPICURE - COMM ALUM COOKWARE		
525	6030	BRAZING PAN, ALUMINUM		MESS DECKS	1	EPICURE - COMM ALUM COOKWARE		
526	DW444	BREAD PAN, 4 COMPARTMENTS, ALUMINUM, D		MESS DECKS	2	EPICURE - COMM ALUM COOKWARE		
527	8614	COOKING POT, ALUMINUM		MESS DECKS	2	EPICURE - COMM ALUM COOKWARE		

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
528	311C	COVER, COOKING POT, ALUMINUM		MESS DECKS	1	EPICURE - COMM ALUM COOKWARE		
529	314C	COVER, COOKING POT, ALUMINUM		MESS DECKS	2	EPICURE - COMM ALUM COOKWARE		
530	316C	COVER, COOKING POT, ALUMINUM		MESS DECKS	1	EPICURE - COMM ALUM COOKWARE		
531	1703C	COVER, FRYING PAN, ALUMINUM		MESS DECKS	2	EPICURE - COMM ALUM COOKWARE		
532	1710C	COVER, FRYING PAN, ALUMINUM		MESS DECKS	2	EPICURE - COMM ALUM COOKWARE		
533	1705-1/2C	COVER, SAUCE PAN, STAINLESS ST		MESS DECKS	2	EPICURE - COMM ALUM COOKWARE		
534	1707C	COVER, SAUCE PAN, STAINLESS ST		MESS DECKS	2	EPICURE - COMM ALUM COOKWARE		
535	1702-1/2C	COVER, SAUCE PAN, STAINLESS STEEL		MESS DECKS	2	EPICURE - COMM ALUM COOKWARE		
536	1906	DISHPAN, STAINLESS STEEL		MESS DECKS	1	EPICURE - COMM ALUM COOKWARE		
537	1308	FRYING PAN, ALUMINUM		MESS DECKS	2	EPICURE - COMM ALUM COOKWARE		
538	1312	FRYING PAN, ALUMINUM		MESS DECKS	2	EPICURE - COMM ALUM COOKWARE		
539	040	METAL FUNNEL WITH SPOUT, ALUMI		MESS DECKS	2	EPICURE - COMM ALUM COOKWARE		
540	B-5045	MUFFIN PAN, ALUMINUM		MESS DECKS	4	EPICURE - COMM ALUM COOKWARE		
541	P-3019-A	PIE PANS		MESS DECKS	6	EPICURE - COMM ALUM COOKWARE		
542	1702-1/2	SAUCE PAN, STAINLESS STEEL		MESS DECKS	2	EPICURE - COMM ALUM COOKWARE		
543	1705-1/2	SAUCE PAN, STAINLESS STEEL		MESS DECKS	2	EPICURE - COMM ALUM COOKWARE		
544	1707	SAUCE PAN, STAINLESS STEEL		MESS DECKS	2	EPICURE - COMM ALUM COOKWARE		
545	W3PK	COARSE PORE SPONGE		MESS DECKS	6	HYDRA SPONGE COMPANY, INC.		
546	LB29211K	GLASS TUMBLER		MESS DECKS	36	LIBBEY GLASS, INC.		
547	70017	SALT & PEPPER SHAKER SETS		MESS DECKS	12	LIBBEY GLASS, INC.		
548	4352T6	WATER PITCHER, STAINLESS STEEL 4352T6		MESS DECKS	6	McMASTER-CARR SUPPLY COMPANY		
549	781-D-459	DINNER PLATE, WHITE 101/2 INCH		MESS DECKS	36	CHINA	ZESCO	
550	096-D-078	COFFEE MUG, WHITE 7oz		MESS DECKS	36	CHINA	ZESCO	
551	108-D-101	BREAD PLATE, WHITE, 6 1/4 INCH		MESS DECKS	36	MELAMINE DINNERWARE	ZESCO	
552	108-D-102	SALAD PLATE, WHITE, 7 1/4 INCH		MESS DECKS	36	CHINA	ZESCO	
553	108-D-115	BOWL, WHITE CHINA, NAPPIE		MESS DECKS	36	CHINA	ZESCO	
554	108-D-113	BOWL, BOUILLON, 7-1/4 OZ		MESS DECKS	3	CHINA		PER/DZ
555	94125	BOTTLE OPENER, WALL MOUNTED		MESS DECKS	2	MOTT COMPANY		
556	417	BRUSH, CLEANING, POTS/PANS		MESS DECKS	6	OSBORN MANUF/JASON INC.		
557	413	CLEANING BRUSH, GENERAL UTILITY		MESS DECKS	6	OSBORN MANUFACTURING/JASON, INC		
558		CANISTER, SUGAR, COVERED		MESS DECKS	1	RESTAURANT SUPPLY WAREHOUSE	G.A. LOTZ 10 LB CANISTER	

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
559		CANISTER, TEA		MESS DECKS	1	RESTAURANT SUPPLY WAREHOUSE	G.A. LOTZ 10 LB CANISTER	
560		CANISTER, COFFEE, COVERED		MESS DECKS	2	RESTAURANT SUPPLY WAREHOUSE	G.A. LOTZ 2 LB CAPACITY	
561	26880	BASTING SPOON		MESS DECKS	1	RESTAURANT SUPPLY WAREHOUSE		
562	GERB-00420	DESSERT SPOONS, STAINLESS STEEL		MESS DECKS	4	RESTAURANT SUPPLY WAREHOUSE		PER/DZ
563	GERB-00810	EGG SLICER		MESS DECKS	2	RESTAURANT SUPPLY WAREHOUSE		
564	GERB-00100	EGG WHIP, STAINLESS STEEL		MESS DECKS	2	RESTAURANT SUPPLY WAREHOUSE		
565	76	FLOUR SIFTER		MESS DECKS	1	RESTAURANT SUPPLY WAREHOUSE		
566	GERB-00216	ICE CREAM SCOOP, MECHANICAL		MESS DECKS	3	RESTAURANT SUPPLY WAREHOUSE		
567	GERB-00190	LADLE, STAINLESS STEEL		MESS DECKS	2	RESTAURANT SUPPLY WAREHOUSE		
568	GERB-00205	LADLE, STAINLESS STEEL		MESS DECKS	2	RESTAURANT SUPPLY WAREHOUSE		
569	190	MEASURING SPOON SET		MESS DECKS	2	RESTAURANT SUPPLY WAREHOUSE		
570	1123	PASTRY BRUSH		MESS DECKS	2	RESTAURANT SUPPLY WAREHOUSE		
571	GERB-00126	PIANO WHIP, STAINLESS STEEL		MESS DECKS	2	RESTAURANT SUPPLY WAREHOUSE		
572	61060	POTATO MASHER, STAINLESS STEEL		MESS DECKS	2	RESTAURANT SUPPLY WAREHOUSE		
573	GERB-00805	POTATO PEELER		MESS DECKS	1	RESTAURANT SUPPLY WAREHOUSE		
574	GERB-00182	STRAINING SPOON		MESS DECKS	2	RESTAURANT SUPPLY WAREHOUSE		
575	GERB-00250	TABLE FORKS, STAINLESS STEEL		MESS DECKS	4	RESTAURANT SUPPLY WAREHOUSE		PER/DZ
576	GERB-00265	TABLE KNIFES, STAINLESS STEEL		MESS DECKS	4	RESTAURANT SUPPLY WAREHOUSE		PER/DZ
577	GERB-00230	TABLE SPOONS, STAINLESS STEEL		MESS DECKS	4	RESTAURANT SUPPLY WAREHOUSE		PER/DZ
578	61970	TEA AND COFFEE STRAINER		MESS DECKS	2	RESTAURANT SUPPLY WAREHOUSE		
579	25800	WOODEN ROLLING PIN		MESS DECKS	1	RESTAURANT SUPPLY WAREHOUSE		
580	3062-6	PLASTIC JUICE PITCHER		MESS DECKS	6	RUBBERMAID COMMERCIAL PRODUCTS		
581	3339	WATER PITCHER, STAINLESS STEEL		MESS DECKS	6	RUBBERMAID COMMERCIAL PRODUCTS		
582	14120	FLAT TINE FORK, STAINLESS STEEL P/N CALL		MESS DECKS	2	RUSSELL HARRINGTON CUTLERY	12" LONG	
583	04133	BUTCHER KNIFE		MESS DECKS	1	RUSSELL HARRINGTON CUTLERY	8" LONG	
584	17010	BAKERS SCRAPER		MESS DECKS	2	RUSSELL HARRINGTON CUTLERY		
585	01250	BONING KNIFE		MESS DECKS	1	RUSSELL HARRINGTON CUTLERY		
586	04103	BUTCHER KNIFE		MESS DECKS	1	RUSSELL HARRINGTON CUTLERY		
587	04113	BUTCHER KNIFE		MESS DECKS	1	RUSSELL HARRINGTON CUTLERY		
588	08080	BUTCHER MEAT CLEAVER		MESS DECKS	2	RUSSELL HARRINGTON CUTLERY		
589	12433	COOK KNIFE		MESS DECKS	1	RUSSELL HARRINGTON CUTLERY		

SWATH OUTFITTING LIST

LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
590	16353	FOOD TURNER, BLADE		MESS DECKS	2	RUSSELL HARRINGTON CUTLERY		
591	16373	OFFSET SPATULA		MESS DECKS	2	RUSSELL HARRINGTON CUTLERY		
592	S197	PARER/CORER TOOL		MESS DECKS	2	RUSSELL HARRINGTON CUTLERY		
593	15303	PARING KNIFE		MESS DECKS	1	RUSSELL HARRINGTON CUTLERY		
594	18160	SCALLOPED BREAD KNIFE		MESS DECKS	1	RUSSELL HARRINGTON CUTLERY		
595	16363	SPATULA		MESS DECKS	2	RUSSELL HARRINGTON CUTLERY		
596	18221	STEAK KNIFE		MESS DECKS	3	RUSSELL HARRINGTON CUTLERY		PER/DZ
597	981030	PAPER NAPKIN DISPENSER		MESS DECKS	6	SCOTT PAPER COMPANY		
598	98730	PAPER NAPKIN, FOR DISPENSER		MESS DECKS	5	SCOTT PAPER COMPANY		
599		DOUBLE BOILER WITH LID, STAINLESS STEEL		MESS DECKS	1	TRAEX/MENASHA CORPORATION	G.A. LOTZ CO.	
600		DOUBLE BOILER WITH LID, STAINLESS STEEL		MESS DECKS	1	TRAEX/MENASHA CORPORATION	G.A. LOTZ CO.	
601		BOWL SET, FOOD, STAINLESS STEEL		MESS DECKS	2	TRAEX/MENASHA CORPORATION	G.A. LOTZ CO. 3 PCE SET 1	
602	18850	CAN OPENER, HAND OPERATED		MESS DECKS	2	TRAEX/MENASHA CORPORATION		
603	25060	FOOD CHOPPING BLOCK BOARD		MESS DECKS	1	TRAEX/MENASHA CORPORATION		
604	00320	ICE PICK		MESS DECKS	2	TRAEX/MENASHA CORPORATION		
605	930	SUGAR DISPENSER		MESS DECKS	6	TRAEX/MENASHA CORPORATION		
606	1414	SYRUP PITCHER		MESS DECKS	6	TRAEX/MENASHA CORPORATION		
607	TP-800	TOOTHPICKS, FLAT, WOOD		MESS DECKS	10	TRAEX/MENASHA CORPORATION		
608		12" SLICER COMPACT DESIGN		MESS DECKS	1	GENERAL SLICING		
609	25080	WOODEN MEAT TENDERIZING HAMMER		MESS DECKS	1	TRAEX/MENASHA CORPORATION		
610		PLASTIC TRAYS (ORANGE)		MESS DECKS	60	TRIPLE G SUPPLY	G.A. LOTZ 18" x 14"	
611		GYROCOMPASS AZIMUTH CIRCLE		NAVIGATION	2	BAKER, LYMAN & COMPANY, INC.	BAKER LYMAN CO. 7 1/2" U.	
612		DIVIDERS, 10 POINT		NAVIGATION	4	CAPLANS NAUTICAL SUPPLY		
613		WHEEMES PLOTTER		NAVIGATION	4	CAPTIAN NAUTICAL SUPPLY		
614		CHART SETS, COMPLETE, EAST COAST, GULF COAST, GREAT LAKES, CANADA, CARRIBEAN		NAVIGATION	75	CAPTIAN NAUTICAL	WILL PROVIDE LIST	
615		DIVIDERS, NAVIGATIONAL, TWIN POINT		NAVIGATION	4	CAPTIAN NAUTICAL SUPPLY		
616		DIVIDERS, NAVIGATIONAL, WITH PENCIL LEAD		NAVIGATION	4	CAPTIAN NAUTICAL SUPPLY		
617		ELECTRONIC CHART SETS, COMPLETE, EAST COAST, GULF COAST, GREAT LAKES, CANADA, CARRIBEAN		NAVIGATION	1		COMPATIBLE WITH ECDIS SYTEM	
618	FUJI 316901	BINOCULAR, POLARIS 7X50 MIL SPEC		NAVIGATION	4	FUJINON	WEST MARINE CATALOG	
619	PLATH/SEXT	LIGHTED SEXTANT, 4X40		NAVIGATION	1	MAXIMUM, INC.		

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LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
620	SELECT 101	STOP WATCH/TIMER, 7 JEWELS SELECT 101		NAVIGATION	2	MAXIMUM, INC.		
621	1212T12	30X60 TRIANGLE, PLASTIC		NAVIGATION	2	McMASTER-CARR SUPPLY COMPANY		
622	1212T16	45X45 TRIANGLE, PLASTIC		NAVIGATION	2	McMASTER-CARR SUPPLY COMPANY		
623	2120A11	STAINLESS STEEL RULER		NAVIGATION	3	McMASTER-CARR SUPPLY COMPANY		
624	2120A12	STAINLESS STEEL RULER		NAVIGATION	3	McMASTER-CARR SUPPLY COMPANY		
625		SOFTWARE TIDES AND CURRENTS		NAVIGATION	1	MICROSOFT		
626	490-005-7	PARALLEL RULER, PLASTIC		NAVIGATION	2	NEW YORK NAUTICAL INSTRUMENT		
627	1033	SHIPS CLOCK, BRASS, 5 1/2-INCH DIAMETER		NAVIGATION	3	SETH THOMAS CORPORATION		
628		GYROCOMPASS TELESCOPIC ALIDADES		NAVIGATION	2	SPERRY		
629		FIREFIGHTER BOOT EXTRA LARGE		SAFETY	1	FYREPEL	SAFETY AND SUPPLY	
630		FIREFIGHTER BOOT EXTRA LARGE		SAFETY	3	FYREPEL	SAFETY AND SUPPLY	
631		FIREFIGHTER COAT LARGE		SAFETY	2	FYREPEL	SAFETY AND SUPPLY	
632		FIREFIGHTER COAT EXTRA LARGE		SAFETY	1	FYREPEL	SAFETY AND SUPPLY	
633		FIREFIGHTER COAT MEDIUM		SAFETY	1	FYREPEL	SAFETY AND SUPPLY	
634		FIREFIGHTER GLOVES		SAFETY	4	FYREPEL	SAFETY AND SUPPLY	
635		FIREFIGHTER HELMET		SAFETY	4	FYREPEL	SAFETY AND SUPPLY	
636		FIREFIGHTER PANT EXTRA LARGE		SAFETY	1	FYREPEL	SAFETY AND SUPPLY	
637		FIREFIGHTER PANT LARGE		SAFETY	2	FYREPEL	SAFETY AND SUPPLY	
638		FIREFIGHTER PANT MEDIUM		SAFETY	1	FYREPEL	SAFETY AND SUPPLY	
639		FIREFIGHTER SUSPENDERS		SAFETY	4	FYREPEL	SAFETY AND SUPPLY	
640		FIRE HOSE, 1 1/2 "		SAFETY	2	GOODYEAR	SAFETY AND SUPPLY	
641		FIRE HOSE, 2 1/2 "		SAFETY	2	GOODYEAR	SAFETY AND SUPPLY	
642	5841T27	TILTING FACESHIELD		SAFETY	4	McMASTER-CARR SUPPLY COMPANY		
643		FOAM APPLICATION NOZZLE, PORTABLE		SAFETY	2	MIL SPEC OR COMMERCIAL		
644		FOAM, FIREFIGHTING, AFFF, 5 GAL		SAFETY	10	MIL SPEC OR COMMERCIAL		
645	TO BE SPECIFIED	SELF CONTAINED BREATHING APPAR 801359		SAFETY	2	MINE SAFETY APPLIANCE COMPANY	W/CASE BULKHEAD MOUNT	
646	801281	AIR BOTTLE, FOR S.C.B.A. 801281		SAFETY	4	MINE SAFETY APPLIANCES COMPANY		
647	466189	COMBUSTIBLE GAS DETECTOR, MODE		SAFETY	1	MINE SAFETY APPLIANCES COMPANY		
648	12036	FIRST AID KIT		SAFETY	4	MINE SAFETY APPLIANCES COMPANY		
649	466354	HARD HAT, WHITE		SAFETY	48	MINE SAFETY APPLIANCES COMPANY		
650	466773	OXYGEN GAS ALARM AND PROBE		SAFETY	1	MINE SAFETY APPLIANCES COMPANY		

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LINE ITEM	PART	ITEM	SIZE	DEPARTMENT	QTY	MANUFACTURER	REMARKS	NOTE
651	30161	STOKES LITTER AND COLLAR		SAFETY	1	MINE SAFETY APPLIANCES COMPANY		
652	MC1534	FLOAT COATS COLOR ORANGE		SAFETY	10	MUSTANG SURVIVAL	2 SMALL, 3 MED, 3 LRG, 2 EXLRG	
653	11629	FIREMAN'S AXE		SAFETY	2	PLUMB	STANDARD SUPPLY	
654	TO BE SPECIFIED	EXPOSURE SUITS (EXTRAS)		SAFETY	6	REG BODY REQ COVERED IN SOR	SAME AS PURCHASED BY SHIPYARD	
655	1127-A	INDUSTRIAL SAFETY HARNESS		SAFETY	2	SINCO PRODUCTS, INC.		
656	1101-1	SAFETY BELT SYSTEM WITH LINE A		SAFETY	2	SINCO PRODUCTS, INC.		
657	XP-162	EXTENSION LIGHT, EXPLOSION-PROOF		SAFETY	4	STEWART R. BROWNE MANUFACTURING		
658	F-81-X (2-	FLASHLIGHT, 2 CELL, EXPLOSION-PROOF		SAFETY	12	STEWART R. BROWNE MANUFACTURING		
659	MODEL 3	WELDER'S HELMET		SAFETY	2	THE LINCOLN ELECTRIC COMPANY		
660		SHORING, METAL, ADJUSTIBLE		SAFETY	4	U.S. NAVY	NAVY SUPPLY	
661		EDUCTOR, DEWATERING, PERIJET		SAFETY	1	U.S. NAVY		
662		FIRE NOZZLE, 1 1/2 MARINE STANDARD VARI NOZZLE		SAFETY	2	U.S. NAVY		
663	66315A21	CUTTING OUTFIT, PORTABLE		SAFETY	1	VICTOR	McMASTER CARR	
664	M800DBNBNB	SUBMERSIBLE SUMP PUMP, AIR OPE		SAFETY	2	WILDEN PUMP & ENGINEERING COMPA		
665	MODEL WAW-	EYE CUP GOGGLES, SHADE 6		SAFETY	6	WILLSON SAFETY PRODUCTS		
666	11210028	PLASTIC COVERALL GOGGLES		SAFETY	6	WILSON SAFETY PRODUCTS		
667	DLP100-FPG	PORTABLE DEWATERING PUMP, DIESEL		SAFETY	1	DIESEL AMERICAN WEST	800-343-7351	
668		PIPE PATCHING KIT		SAFETY	2			
669	ACIO5	AIR BREATHING COMPRESSOR, ELEC		Safety	1	MAKO INDUSTRIES	PRO AIR INC	